

ARNAV SINGH

B.Tech CSE Student (5th Semester) | arnav@example.com | India
LinkedIn: linkedin.com/in/arnav-singh | GitHub: github.com/arnavsingh | Focus: C++, DSA & Web

EDUCATION

B.Tech in Computer Science and Engineering - XYZ Institute of Technology (2023 - Present)
Current Status: 5th Semester | CGPA: 8.0 / 10 | Core Coursework: DSA, OOP, OS, DBMS, Computer Networks

LEARNING & TECHNICAL GROWTH

B.Tech CSE - Student (2023 - Present)

- Building software projects alongside university coursework to strengthen programming fundamentals.
- Actively practicing problem solving and algorithmic thinking through C++ and Data Structures.

Independent Projects (2025 - Present)

- Designing and developing independent web applications practicing React, Next.js, and Python.
- Experimenting with client-side utilities and AI API integrations.

Personal Development (Ongoing)

- Consistently working on problem solving, version control with Git & GitHub, and modular coding.

PROJECTS

MoodMate - Hackathon AI Mental Wellness Companion (Next.js, Python, Flask, OpenAI API)

- Built for a hackathon: integrates journaling, sentiment analysis, and conversational reflections.
- Implemented lightweight Flask proxy to securely manage AI prompt requests.

PDFlex - Client-Side In-Browser PDF Utility (React, PDF.js, pdf-lib, Web Workers)

- Client-side tool for merging, splitting, and converting PDFs in the browser without server uploads.
- Offloaded PDF operations to Web Workers to keep browser UI responsive.

FinanceCalc - Personal Finance Planning Utility (Next.js, TypeScript, Tailwind, Chart.js)

- Interactive calculators for SIP compounding, loan EMI estimation, and savings projections.
- Pure TypeScript client-side mathematical calculations with immediate chart updates.

ASCEND - Gamified Task Progression System (Next.js, Prisma, PostgreSQL, Tailwind CSS)

- Productivity web application combining task management with RPG-style quest progression loops.

TECHNICAL SKILLS

Core: C++, Data Structures & Algorithms, Problem Solving, Object-Oriented Programming
Web Development: HTML, CSS, JavaScript, React, Next.js, Tailwind CSS
Backend: Python, Flask, Node.js, REST APIs
Databases & Tools: SQL, SQLite, PostgreSQL, Git, GitHub